

5        ABSTRACT

10        There is a disclosed or process for treating industrial  
waste water highly loaded with ammonium, by treating the  
waste water with nitrifying microorganisms (nitric bacteria)  
in the presence of a suspended carrier substance with a  
specific surface area of  $>20\text{m}^2/\text{g}$  and optionally a  
denitrification with denitrifying microorganisms  
(denitrifying bacteria). According to a modification of the  
process, a finely-divided carbon-containing material with a  
15        surface-pH value of around 6 to 9 is used instead of the  
silicate carrier substance.

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